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| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|---|-------------|---------------------------|---------------------|------------------|
| 10/039,679 | 01/04/2002 | Stephen Leslie Buchwalter | EN9-98-117-US2 | 9725 |
| 30449 | 7590 | 05/14/2004 | EXAMINER | |
| SCHMEISER, OLSEN + WATTS SUITE 201 3 LEAR JET LATHAM, NY 12033 | | | BROCK II, PAUL E | |
| | | | ART UNIT | PAPER NUMBER |
| | | | 2815 | |

DATE MAILED: 05/14/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Advisory Action

Application No.

10/039,679

Applicant(s)

BUCHWALTER ET AL.

Examiner

Paul E Brock II

Art Unit

2815

--The MAILING DATE of this communication appears on the cover sheet with the corresponding address--

THE REPLY FILED 05 May 2004 FAILS TO PLACE THIS APPLICATION IN CONDITION FOR ALLOWANCE. Therefore, further action by the applicant is required to avoid abandonment of this application. A proper reply to a final rejection under 37 CFR 1.113 may only be either: (1) a timely filed amendment which places the application in condition for allowance; (2) a timely filed Notice of Appeal (with appeal fee); or (3) a timely filed Request for Continued Examination (RCE) in compliance with 37 CFR 1.114.

PERIOD FOR REPLY [check either a) or b)]

a) The period for reply expires _____ months from the mailing date of the final rejection.
b) The period for reply expires on: (1) the mailing date of this Advisory Action, or (2) the date set forth in the final rejection, whichever is later. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of the final rejection.
ONLY CHECK THIS BOX WHEN THE FIRST REPLY WAS FILED WITHIN TWO MONTHS OF THE FINAL REJECTION. See MPEP 706.07(f).

Extensions of time may be obtained under 37 CFR 1.136(a). The date on which the petition under 37 CFR 1.136(a) and the appropriate extension fee 37 CFR 1.17(a) is calculated from: (1) the expiration date of the shortened statutory period for reply originally set in the final Office action; or (2) as set forth in (b) above, if checked. Any reply received by the Office later than three months after the mailing date of the final rejection, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

1. A Notice of Appeal was filed on _____. Appellant's Brief must be filed within the period set forth in 37 CFR 1.192(a), or any extension thereof (37 CFR 1.191(d)), to avoid dismissal of the appeal.

2. The proposed amendment(s) will not be entered because:

- they raise new issues that would require further consideration and/or search (see NOTE below);
- they raise the issue of new matter (see Note below);
- they are not deemed to place the application in better form for appeal by materially reducing or simplifying the issues for appeal; and/or
- they present additional claims without canceling a corresponding number of finally rejected claims.

NOTE: See Continuation Sheet.

3. Applicant's reply has overcome the following rejection(s): _____.

4. Newly proposed or amended claim(s) _____ would be allowable if submitted in a separate, timely filed amendment canceling the non-allowable claim(s).

5. The a) affidavit, b) exhibit, or c) request for reconsideration has been considered but does NOT place the application in condition for allowance because: See Continuation Sheet.

6. The affidavit or exhibit will NOT be considered because it is not directed SOLELY to issues which were newly raised by the Examiner in the final rejection.

7. For purposes of Appeal, the proposed amendment(s) a) will not be entered or b) will be entered and an explanation of how the new or amended claims would be rejected is provided below or appended.

The status of the claim(s) is (or will be) as follows:

Claim(s) allowed: 10, 12-17, 20-23, 25, 27-29 and 33-35.

Claim(s) objected to: _____.

Claim(s) rejected: 11 and 36.

Claim(s) withdrawn from consideration: _____.

8. The drawing correction filed on _____ is a) approved or b) disapproved by the Examiner.

9. Note the attached Information Disclosure Statement(s) (PTO-1449) Paper No(s). _____.

10. Other: _____.

Tom Thomas
TOM THOMAS

SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2800

Continuation of 2. NOTE: At least the amendment to claim 36, "interfacing the adhesive material between the adhesion promoter layer and the chip carrier" requires further search and/or consideration.

Continuation of 5. does NOT place the application in condition for allowance because: With regard to applicant's argument that "Hoffman's disclosure that the substrate 22 may include silicon carbide does not imply a disclosure by Hoffman that the carbide layer 24 may include silicon carbide," it should be noted that a disclosure of the "carbide layer" 24 in Hoffman must encompass all possible carbides. By definition a carbide is a binary compound of carbon and another element. In particular, Hoffman's disclosure of silicon carbide is a direct reference to a type of carbide that the "carbide layer" must encompass. Applicant has not provided any proof that Hoffman's disclosure of a "carbide layer" does not encompass silicon carbide. Therefore, applicant's arguments are not persuasive and the rejection is proper.

In response to applicant's arguments against the references individually, one cannot show nonobviousness by attacking references individually where the rejections are based on combinations of references. See *In re Keller*, 642 F.2d 413, 208 USPQ 871 (CCPA 1981); *In re Merck & Co.*, 800 F.2d 1091, 231 USPQ 375 (Fed. Cir. 1986). Therefore, applicant's arguments are not persuasive, and the rejection is proper.